

Solis-(25-30)K-LV

Solis Three Phase Inverters



360 degree

Features:

- ▶ Max. efficiency 97%
- ▶ Wide voltage range and low startup voltage
- ▶ 2 MPPT input, each rated current is 28.5A, compatible with high power module
- ▶ THDi<3%, low harmonic distortion against grid
- ▶ Anti-resonance, supporting over 6MW paralleled in one transformer
- ▶ Perfect commercial site monitoring solution
- ▶ Intelligent redundant fan-cooling



Model:

220V: Solis-25K-LV Solis-30K-LV

Datasheet

Model Name	Solis-25K-LV	Solis-30K-LV
Input DC		
Recommended max. PV power	30kW	36kW
Max. input voltage	1100V	
Rated voltage	600V	
Start-up voltage	200V	
MPPT voltage range	200-850V	
Max. input current	28.5A/28.5A	
Max. short circuit current	44.5A/44.5A	
MPPT number/Max. input strings number	2/6	
Output AC		
Rated output power	25kW	30kW
Max. apparent output power	25kVA	30kVA
Max. output power	25kW	30kW
Rated grid voltage	3/PE, 220V	
Rated grid frequency	50/60Hz	
Rated grid output current	65.6A	78.8A
Max. output current	65.6A	78.8A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
Efficiency		
Max. efficiency	97.0%	
EU efficiency	96.5%	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Anti-islanding protection	Yes	
Temperature protection	Yes	
Integrated DC switch	Optional	
General Data		
Dimensions (W*H*D)	630*700*357 mm	
Weight	63kg	
Topology	Transformerless	
Self consumption	<1W (night)	
Operating ambient temperature range	-25 ~ +60°C	
Relative humidity	0-100%	
Ingress protection	IP65	
Cooling concept	Intelligent redundant fan-cooling	
Max. operation altitude	4000m	
Grid connection standard	EN50438, G99, AS4777, VDE0126-1-1, IEC 61727	
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3	
Features		
DC connection	MC4 connector	
AC connection	OT terminal	
Display	LCD	
Communication	RS485, Optional: Wi-Fi, GPRS	